FIG. 1

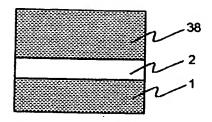
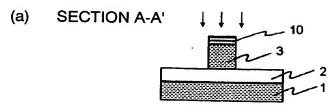
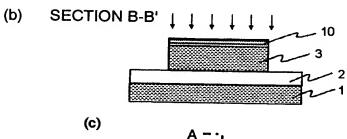
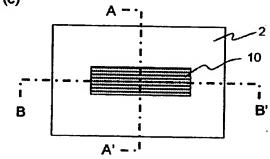


FIG. 2







Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 3

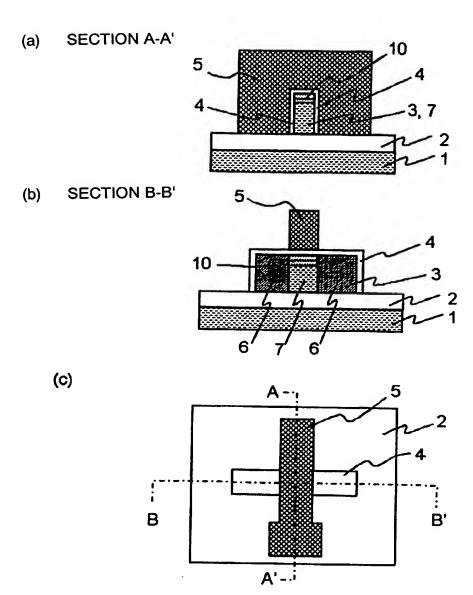
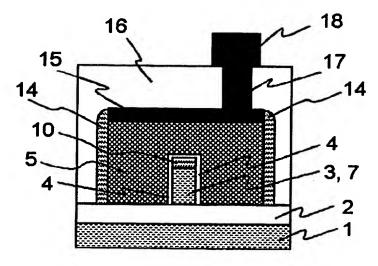
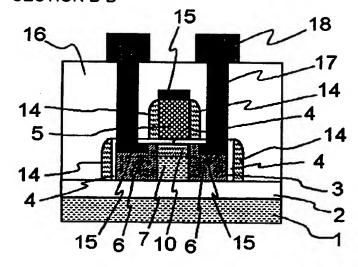


FIG. 4

(a) SECTION A-A'



(b) SECTION B-B'



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 5

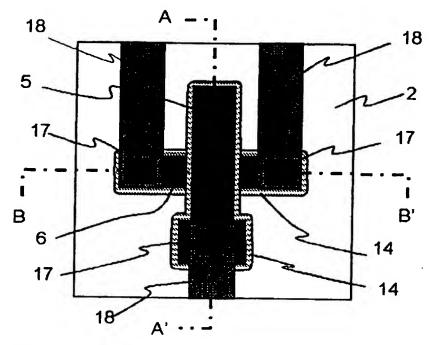
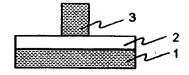


FIG. 6

(a) SECTION A-A'



(b) SECTION B-B'

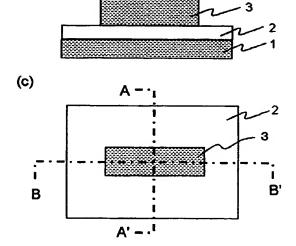
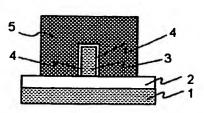
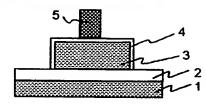


FIG. 7

(a) SECTION A-A'



(b) SECTION B-B'



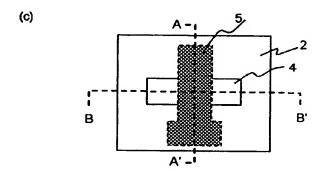


FIG. 8

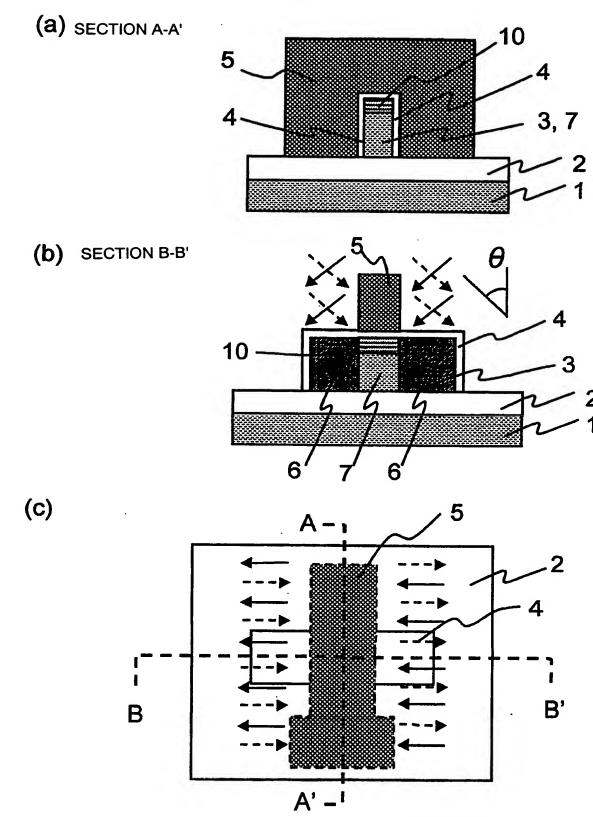


FIG. 9

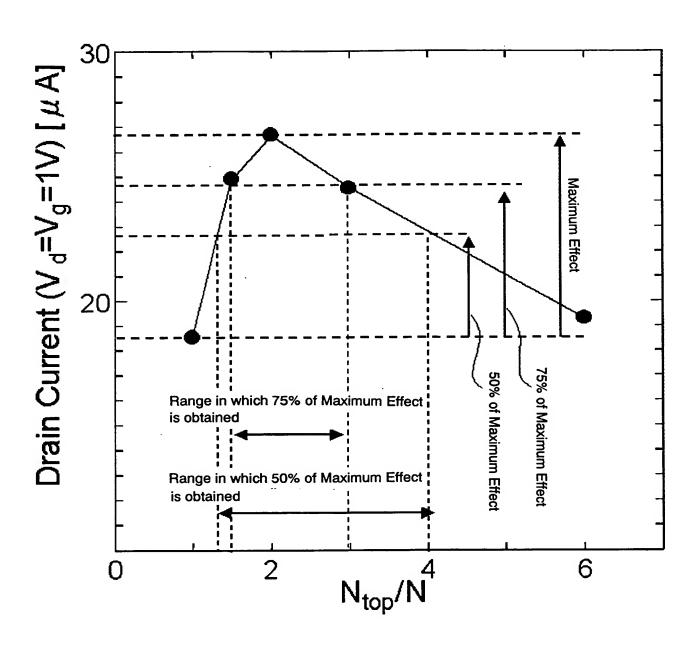
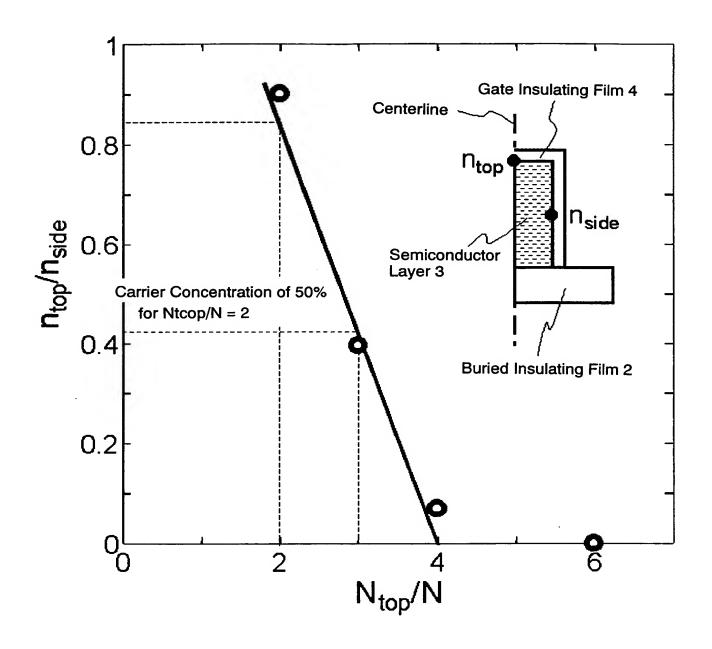


FIG. 10

DOCKET NO.: 040373-0396



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FIG. 11

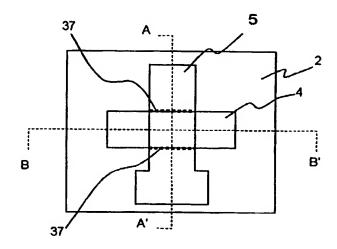


FIG. 12

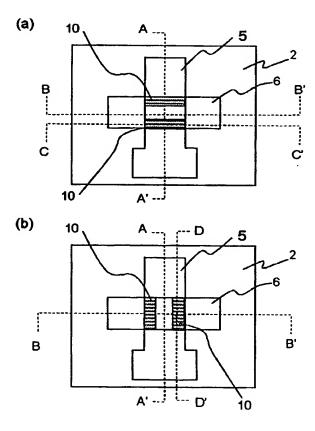


FIG. 13

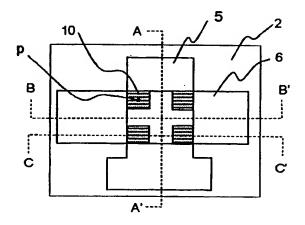
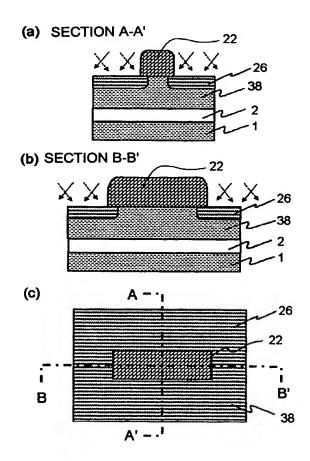
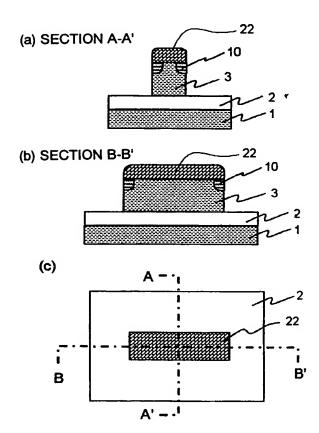


FIG. 14



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

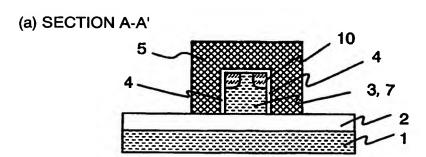
FIG. 15



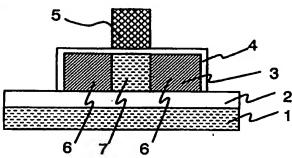
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al.

DOCKET NO.: 040373-0396

FIG. 16







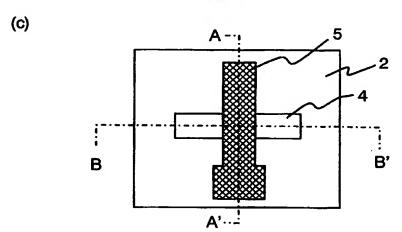
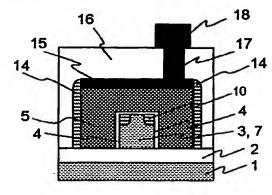


FIG. 17

(a) SECTION A-A'



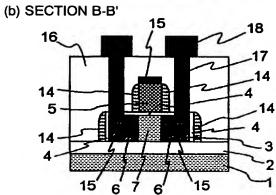


FIG. 18

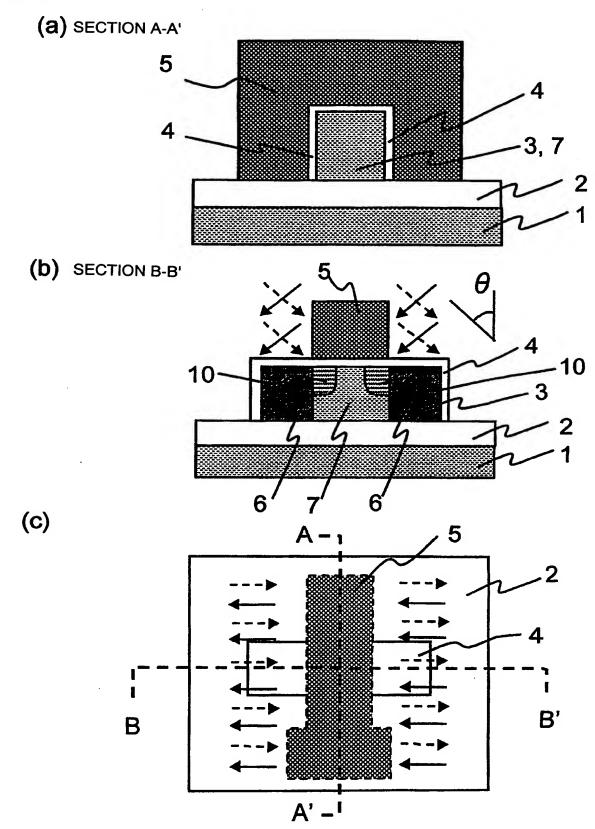
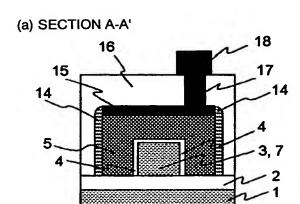
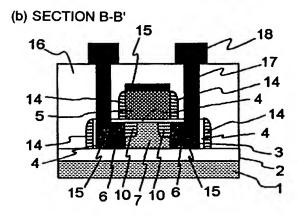


FIG. 19





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 20

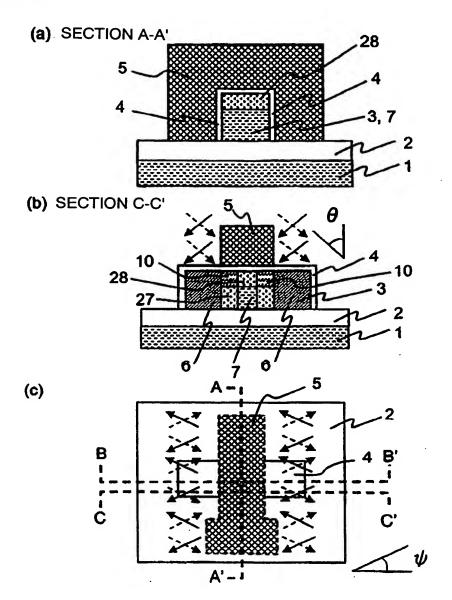
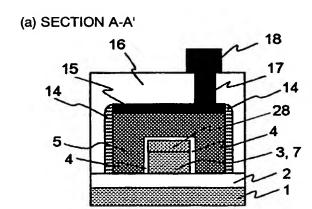
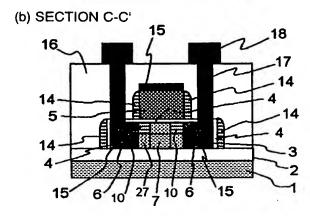


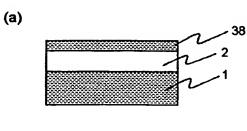
FIG. 21

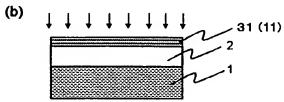




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FIG. 22





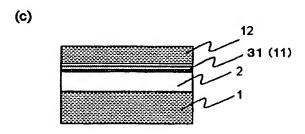
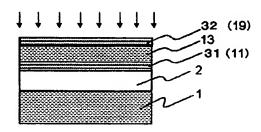
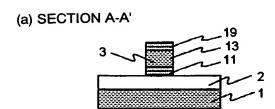


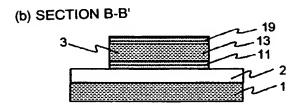
FIG. 23

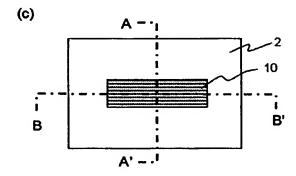


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FIG. 24

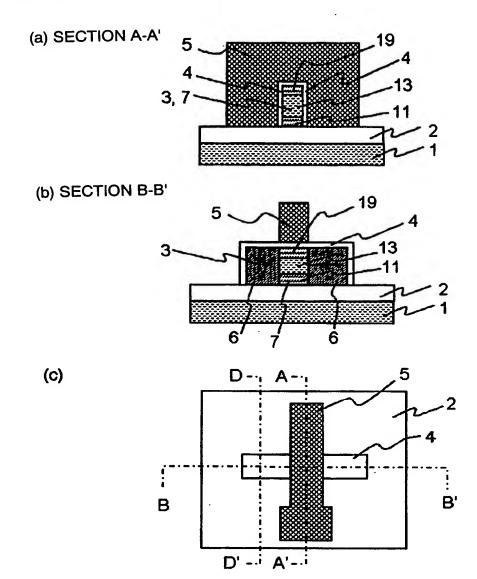






Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

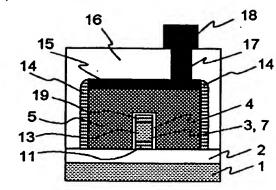
FIG. 25



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 26





(b) SECTION B-B'

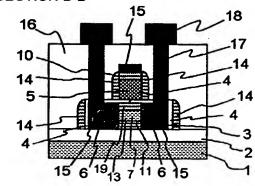
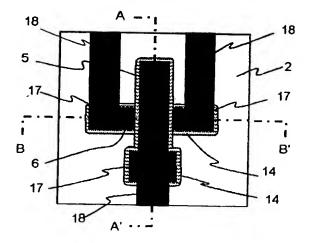
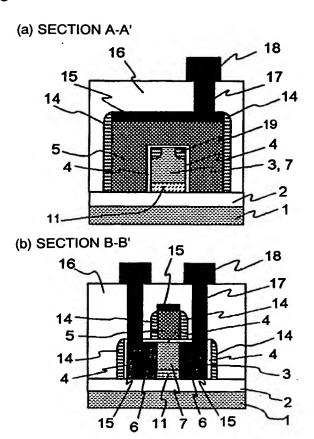


FIG. 27



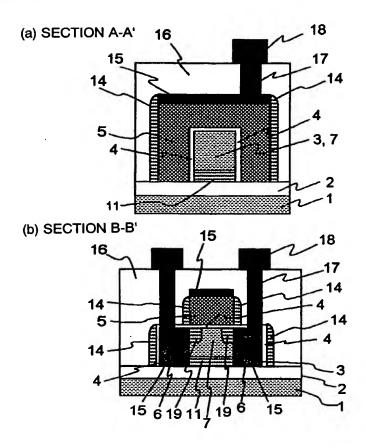
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 28



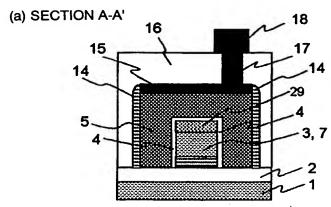
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

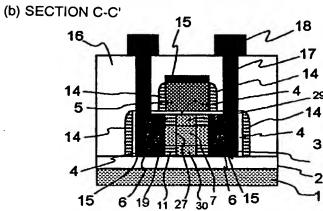
FIG. 29



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 30





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 31

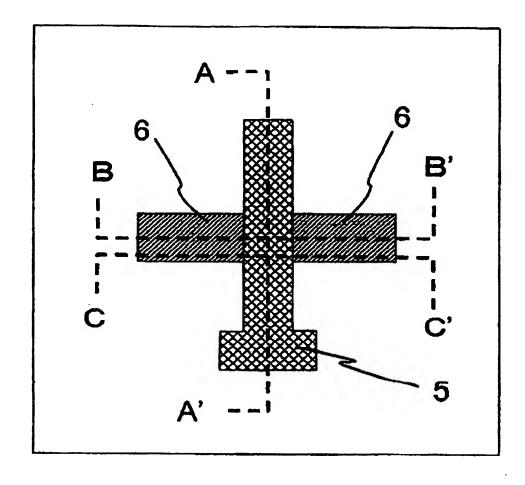
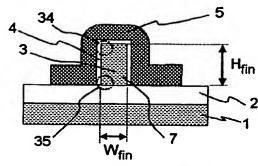
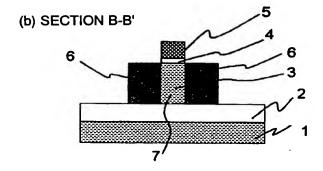


FIG. 32

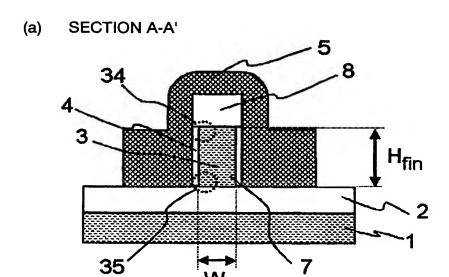






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FIG. 33



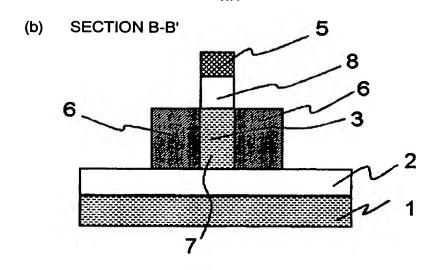


FIG. 34

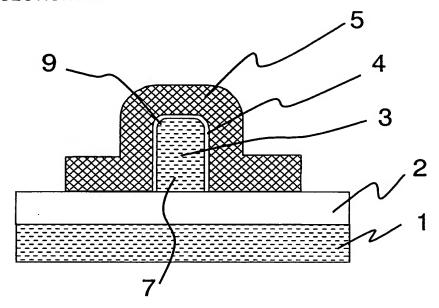
(a) 10nm **Upper Corner Portion** Gate Gate Insulating Film **Equipotential Line extends** in increments of 0.2 V from -0.4 Si to 0.4 V in this direction (b) 10nm Cap SiO₂ Gate **Upper Corner Portion** Gate Insulating Film **Equipotential Line extends** in increments of 0.2 V from -0.4 Si

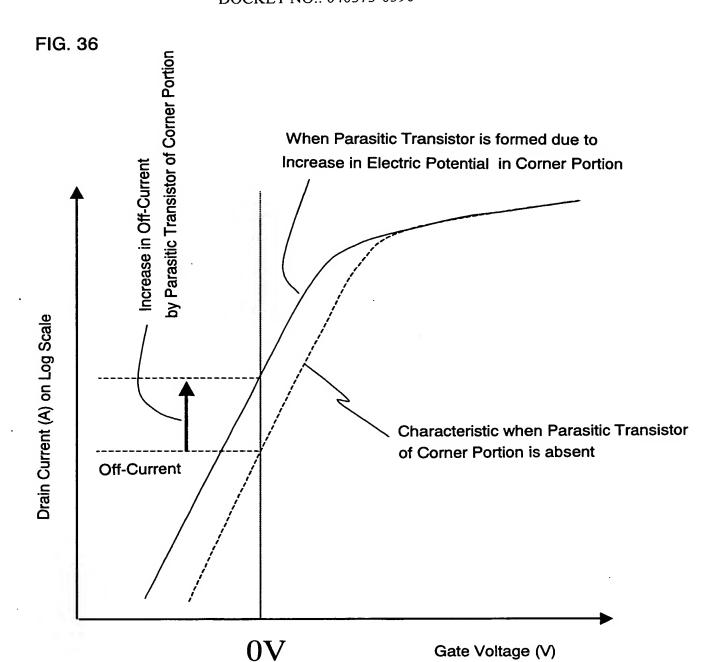
to 0.4 V in this direction

Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 35

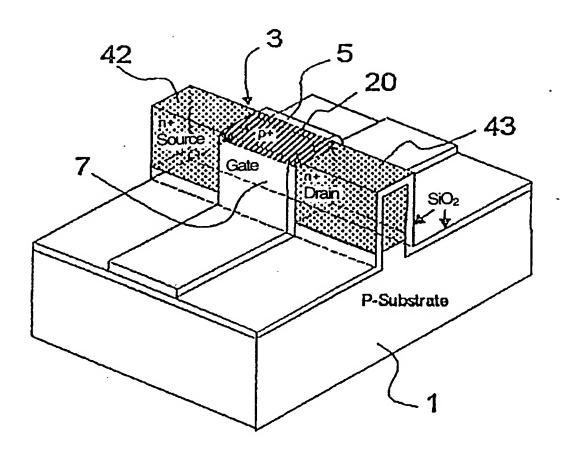
SECTION A-A'





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

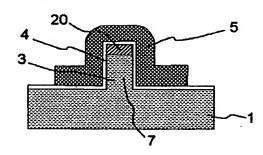
FIG. 37



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 38

(a) SECTION A-A'



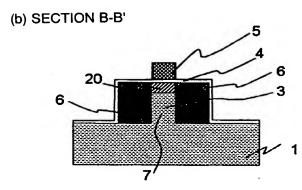
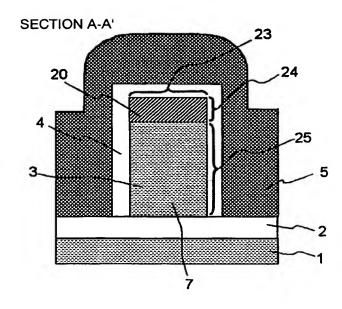


FIG. 39



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 40

SECTION A-A'

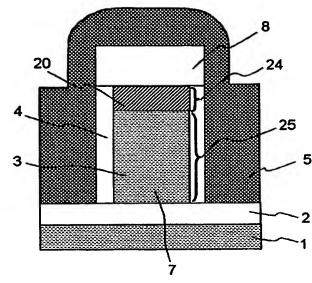
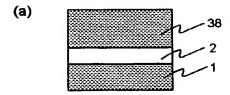
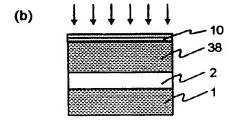


FIG. 41





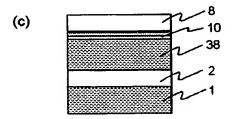
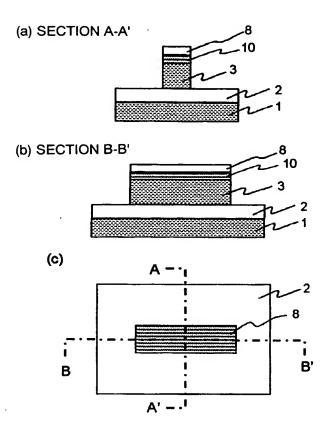
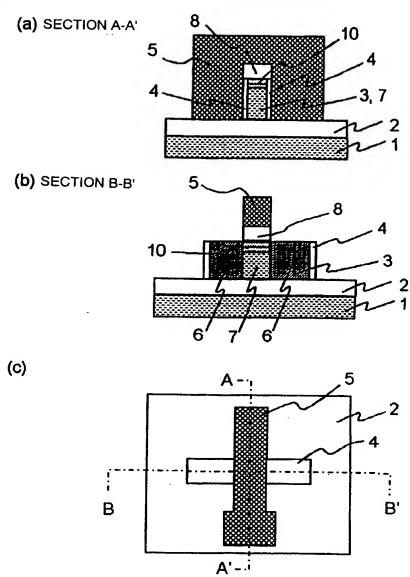


FIG. 42



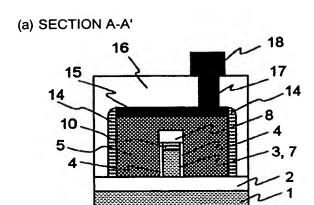
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

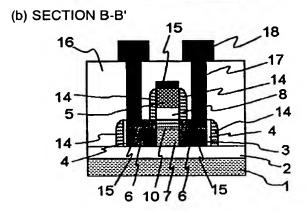
FIG. 43



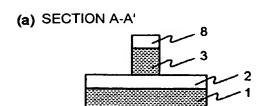
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

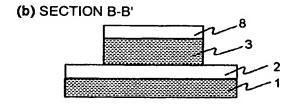
FIG. 44

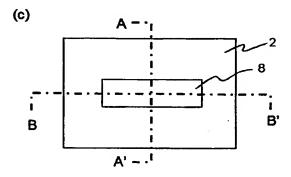


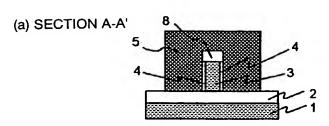


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

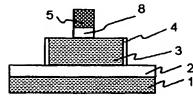


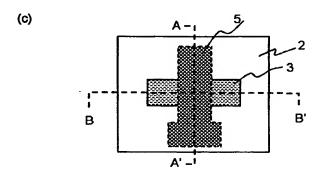












Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

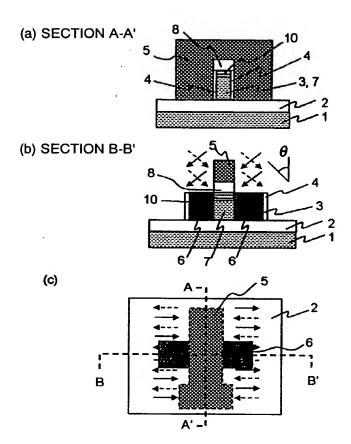


FIG. 48

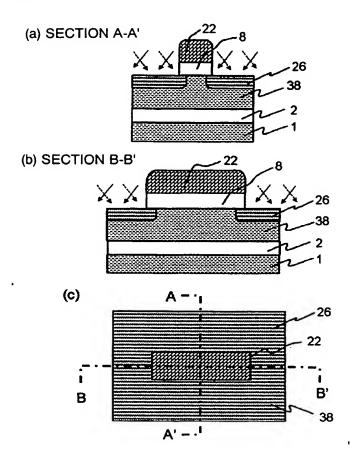
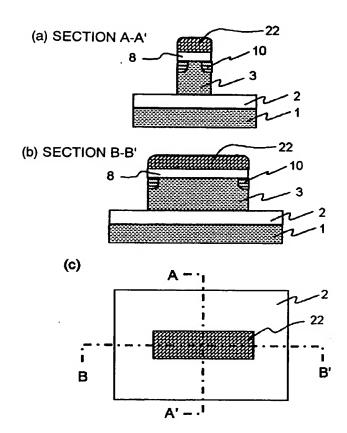
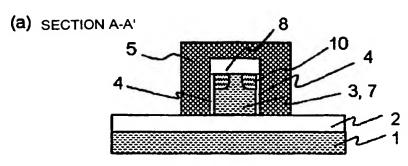


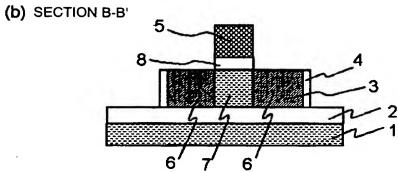
FIG. 49

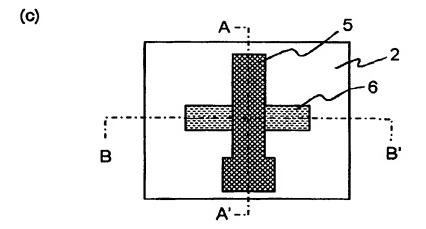


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 50



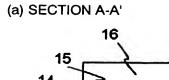


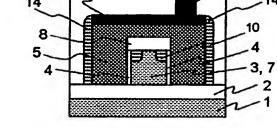


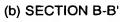
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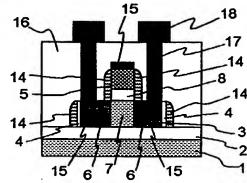
18

FIG. 51



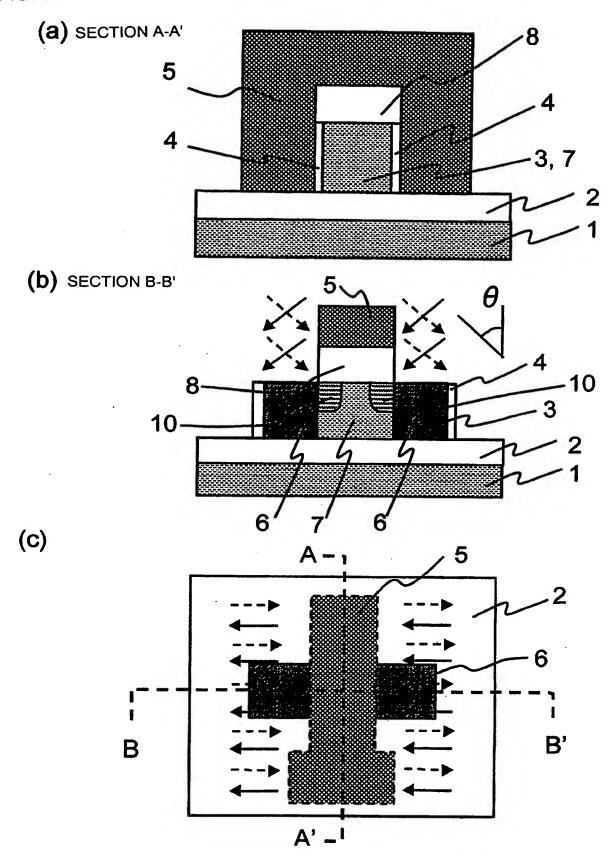






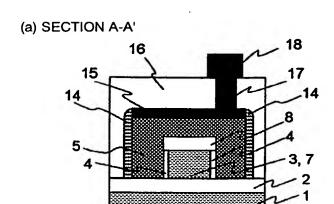
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 52



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 53



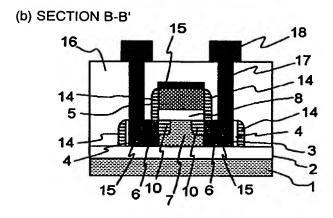
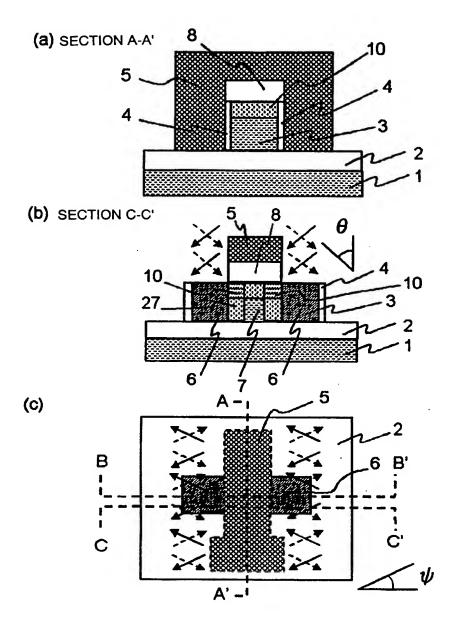
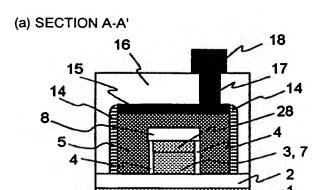


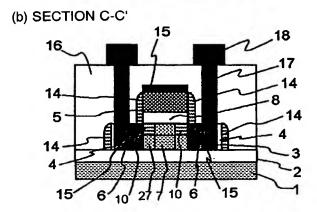
FIG. 54



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

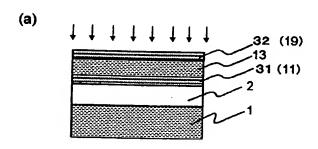
FIG. 55





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 56



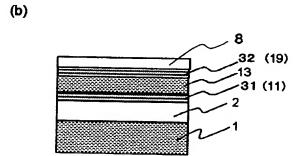
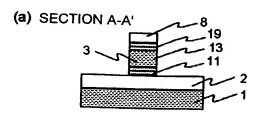
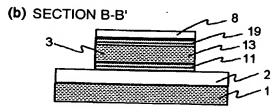
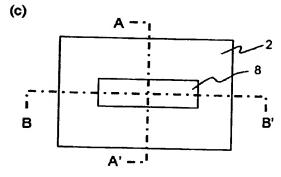


FIG. 57

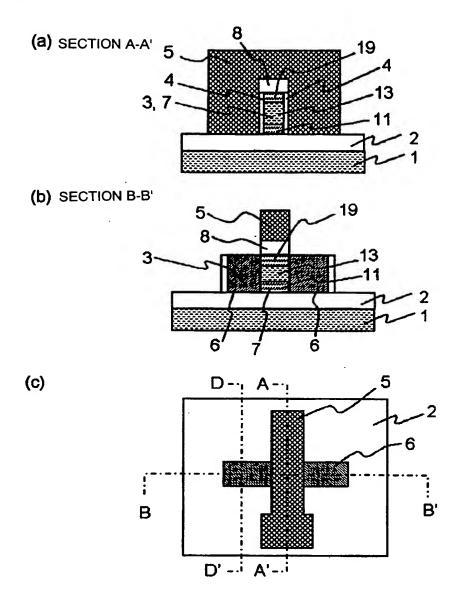






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FIG. 58



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 59

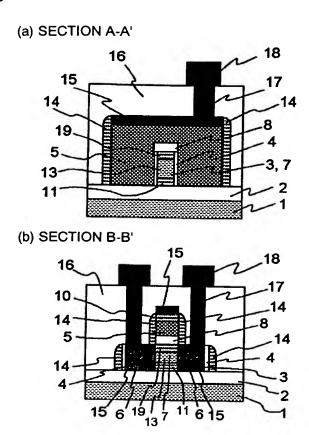
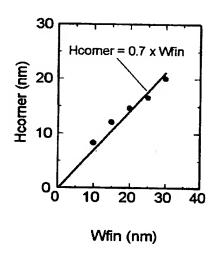
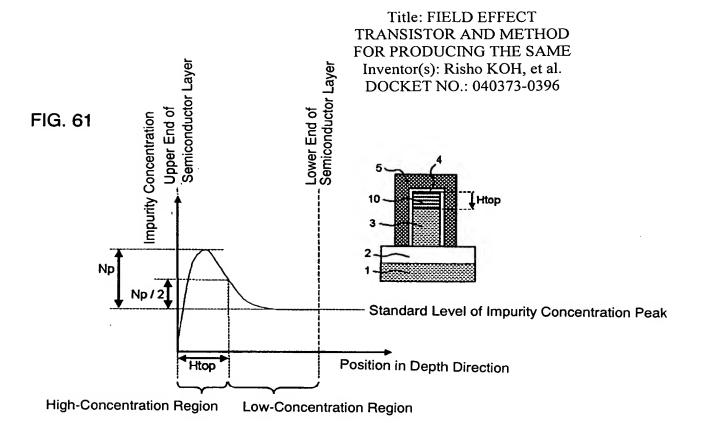
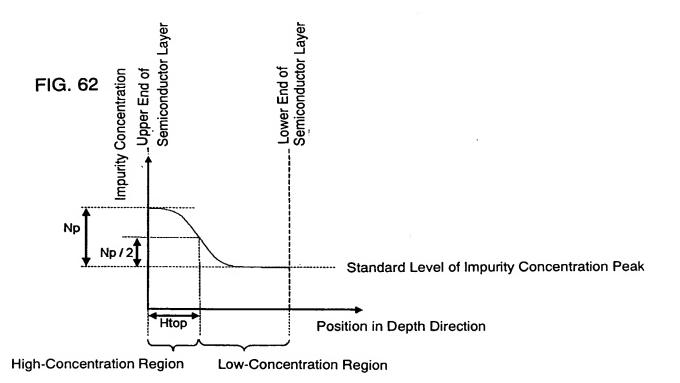


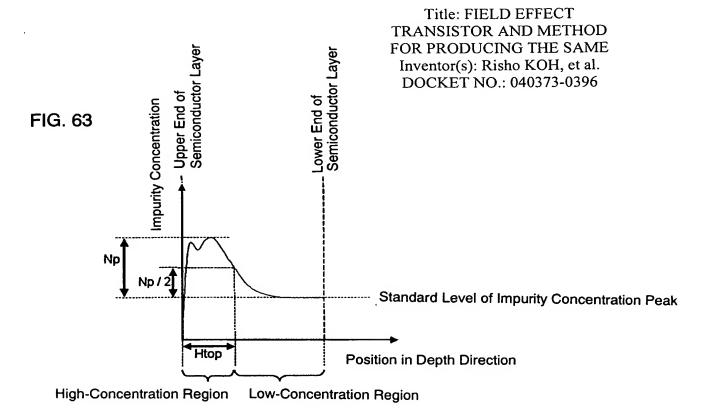
FIG. 60

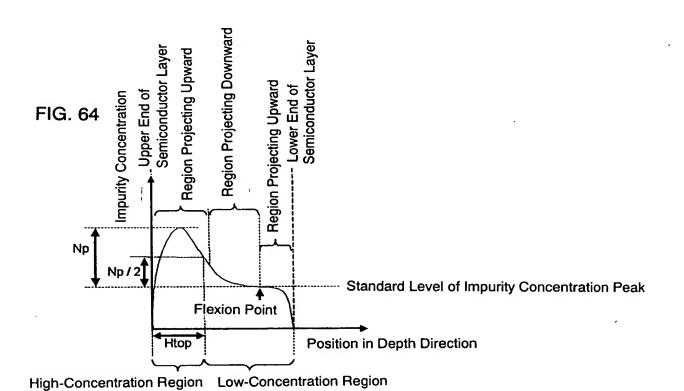
Dependency on Fin Width (Wfin) of Depth (Hcorner) in which Electric Field Concentration Occurs





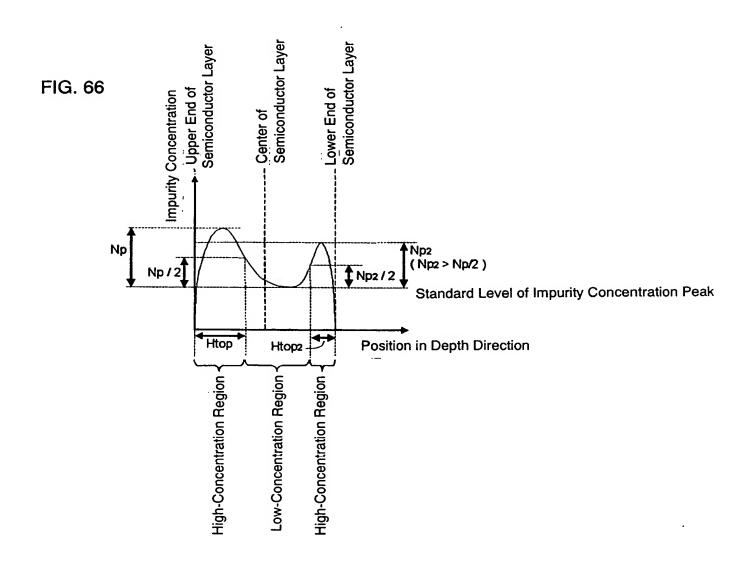


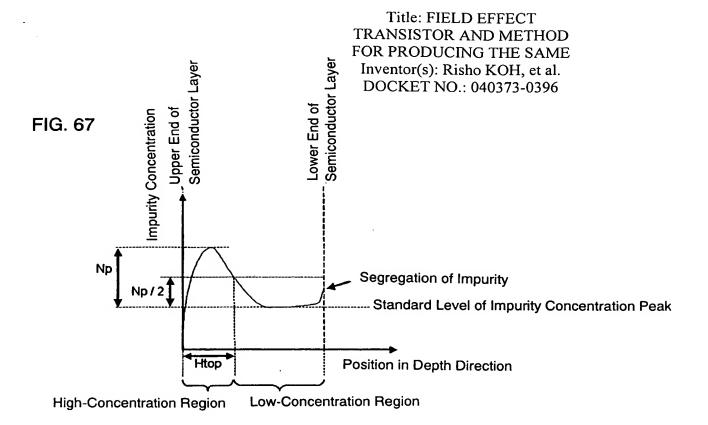


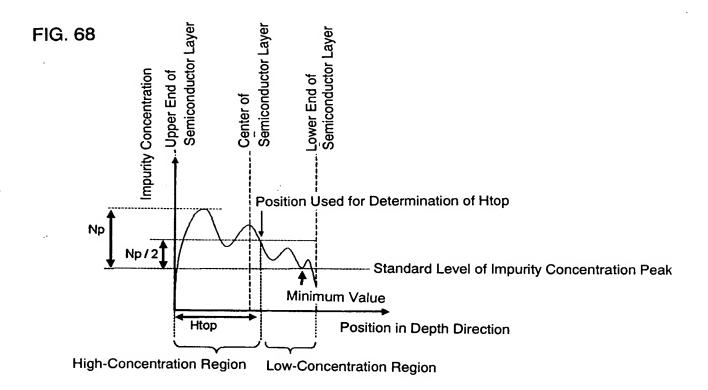


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Region Projecting Downward Inventor(s): Risho KOH, et al. Upper End of Semiconductor Layer Lower End of Semiconductor Layer Region Projecting Upward DOCKET NO.: 040373-0396 Region Projecting Upward FIG. 65 Impurity Concentration Np/2 Standard Level of Impurity Concentration Peak Flexion Point Htop Position in Depth Direction

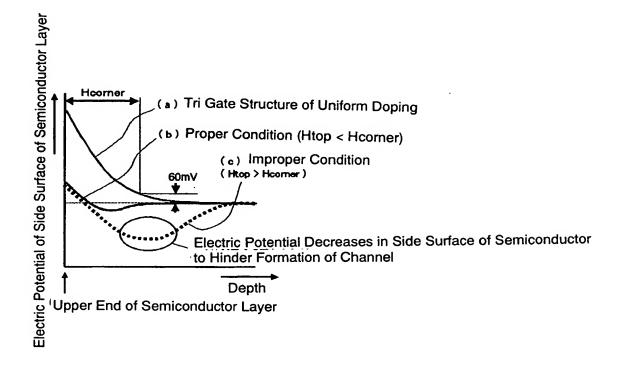
High-Concentration Region Low-Concentration Region

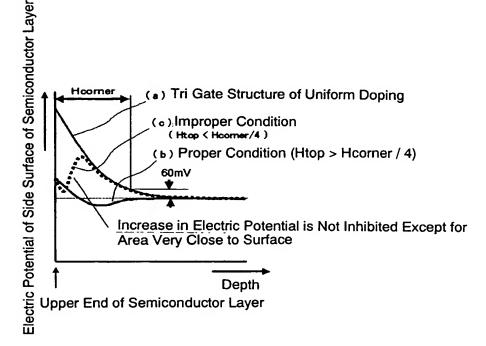












Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 71

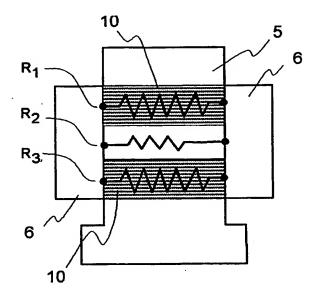
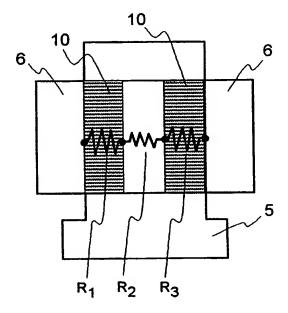
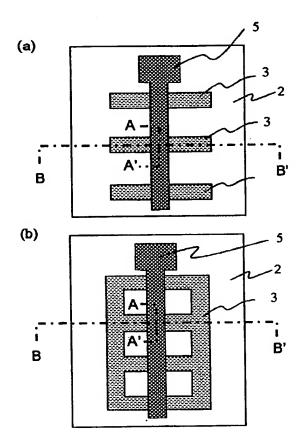


FIG. 72



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

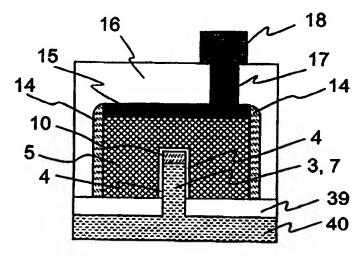
FIG. 73



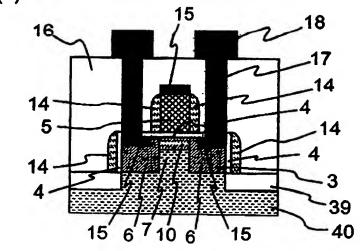
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 74

(a) SECTION A-A'



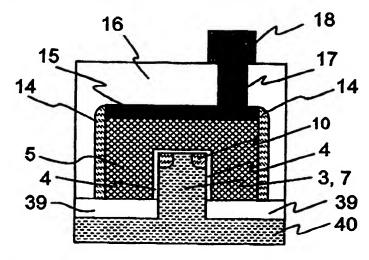
(b) SECTION B-B'



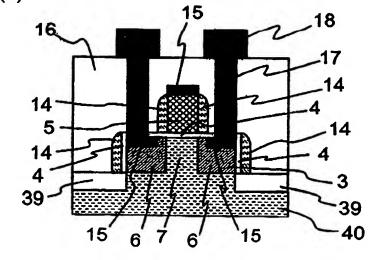
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 75

(a) SECTION A-A'



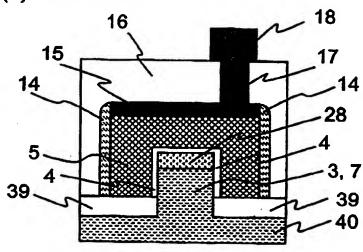
(b) SECTION B-B'



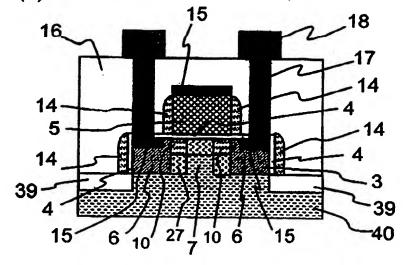
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 76





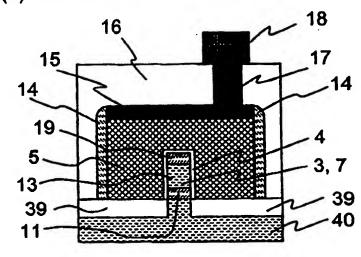




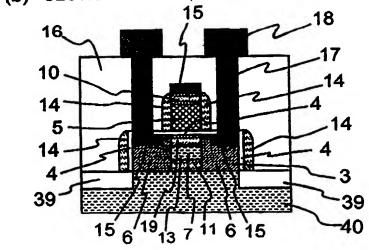
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FIG. 77



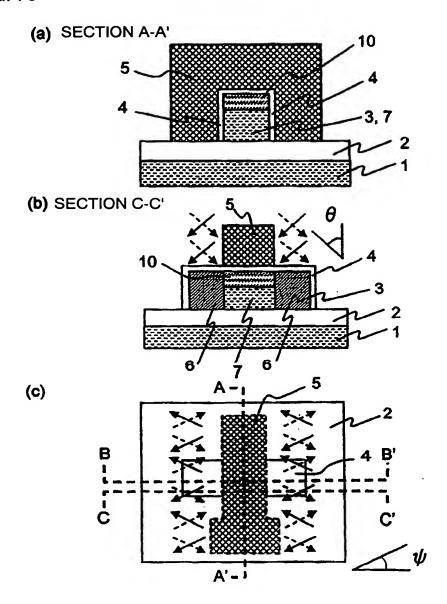


(b) SECTION B-B'



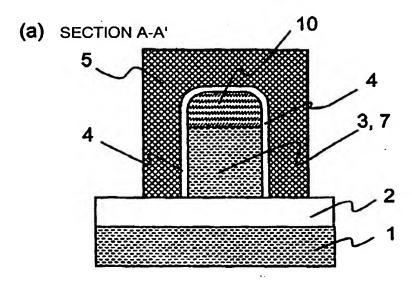
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 78

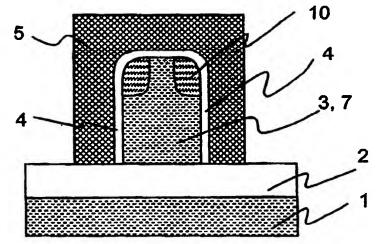


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 79



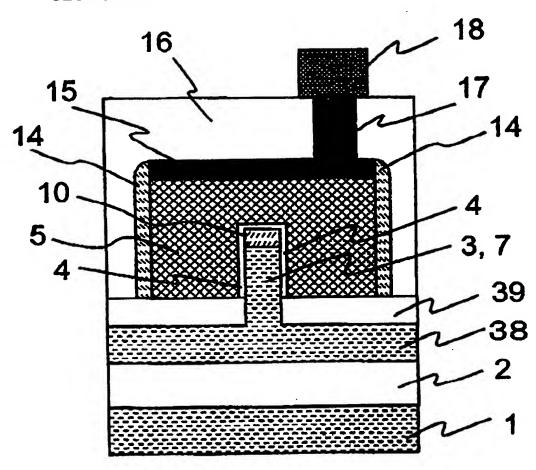




Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

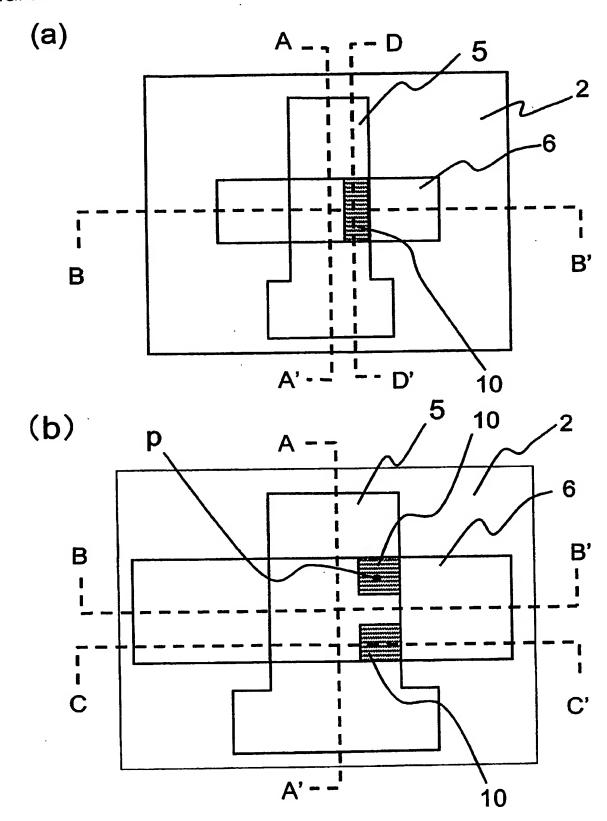
FIG. 80





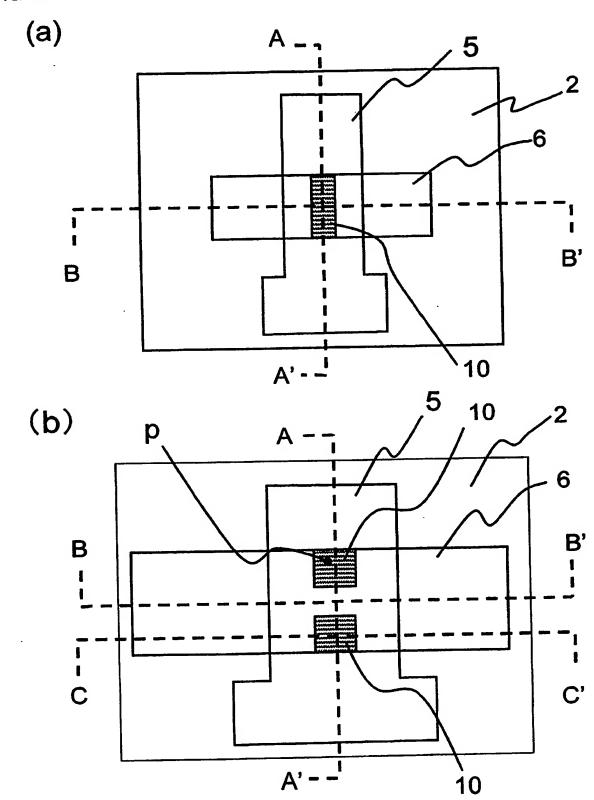
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 81



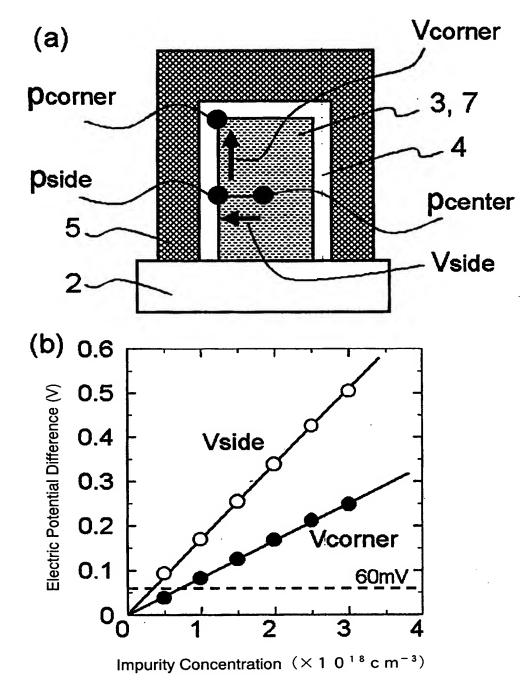
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FIG. 82



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 83



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